

Patent Claims

1. Eccentric screw-type pump (10) for pumping products of liquid to pasty consistency, which comprises a drive system (12) that is connected via a driving shaft (16) to a rotor (36), with a first stator (38) and at least one further spare stator being provided,
5 characterized in
that said stator (38) and said at least one further spare stator are joined to each other, without a space therebetween, in such a way that said stator presents an operating region (42) and a spare region (44), with said stator being reversed or displaced for switching said regions.
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2. Eccentric screw-type pump according to Claim 1,
characterized in
that one stator and at least one further spare stator are composed so as to form a stator (38) in a stator envelope.
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3. Eccentric screw-type pump according to Claim 2,
characterized in
that the change of the engagement of said rotor from the used part of the stator to the stator part reserved as substitute is carried out by reversing the
20 stator (38) in its entirety through 180° relative to its longitudinal axis.
4. Eccentric screw-type pump according to Claim 1
characterized in
that said rotor is connected via a flexible shaft (22) to said drive system (12),
25 which shaft extends permanently also beyond the free stator half next to said drive system.
5. Eccentric screw-type pump according to Claim 1,
characterized in

that said stator (38) comprises an intermediate tube (40) that may be arranged both on the suction-side end and the delivery-side end of said stator (38).

5 6. Eccentric screw-type pump according to the Claim 5,
characterized in
that said flexible shaft (22) extends through said intermediate tube (20) up to
said stator (38).

10 7. Eccentric screw-type pump according to Claim 1,
characterized in
that said stator (38) is connected to said pump casing (26) and said terminating tubulure (34) via said quick-action clamping device (32).